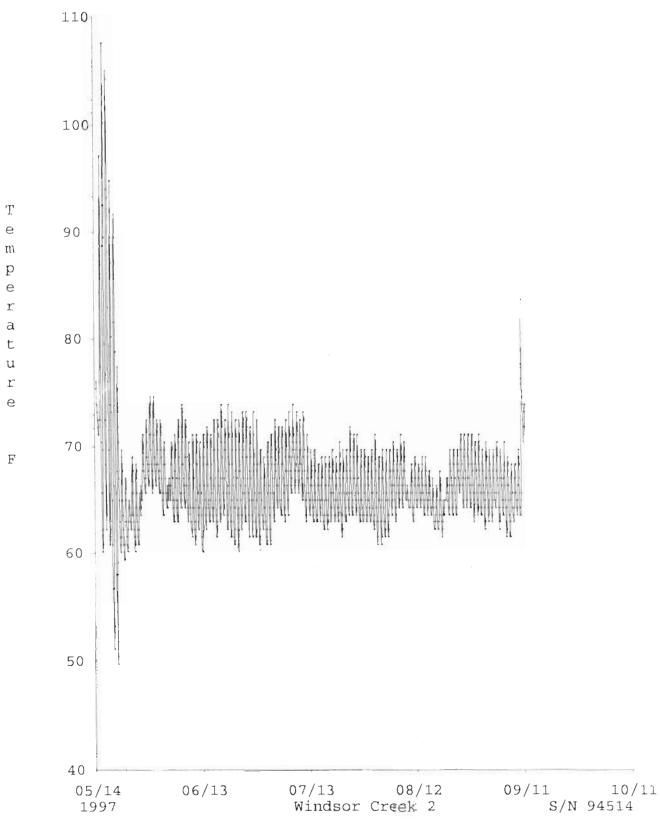


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M	WINDSOR	CREBK						Drain	nage: Ma	Drainage: Mark West Creek	жее				
Tak	Table 1	- SUMMARY	OF RIFFLE,	SUMMARY OF RIFFLE, FLATWATER, AND POOL HABITAT TYPES	D POOL HA	BITAT TY	PES	Surve	y Dates	: 06/12/96	survey Dates: 06/12/96 to 06/25/96	96			
COI	nfluenc	ce Locatic	n: QUAD: SI	Confluence Location: QUAD: SEBAS/HEAL LEGAL DESCRIPTION: TeNR9W	AL DESCRI	PTION: T	8NR9W	LATI	TUDE: 3	LATITUDE: 38°29'25"	LONGITUDE	LONGITUDE: 122°50'54"	=		
HAE	HABITAT	UNITS	HABITAT	HABITAT	MEAN	TOTAL	TOTAL PERCENT	MEAN	MEAN	MEAN	ESTIMATED	MEAN	MEAN ESTIMATED	MEAN	MEAN
2	UNITS	PULLY	TYPE	PERCENT	LENGTH	LENGTH	TOTAL	WIDTH	DEPTH	ARBA	TOTAL	VOLUME	TOTAL	RESIDUAL	SHELTER
	ě.	MEASURED		OCCURRENCE	(ft.)	(ft.)	LENGTH (ft.)	(ft.)	(ft.)	(sq.ft.)	ARBA	AREA (cu.ft.)	VOLUME	POOL VOL	RATING
											(sq.ft.)		(cu.ft.)	(cu.ft.)	
Wi	6	C1	RIFFLE	a	52	470	77	7.2	m. 0	717	6451	214	1926	0	0
nd As	8 4	6	FLATWATER	R 44	355	17025	78	10.0	6.0	3262	156570	5902	283294	0	ro
SO SSE	43	14	POOL	9.9	55	2382	11	16,9	1.8	1036	44550	1934	83182	1443	64
r C essr	10	64	DRY	σ	187	1867	Ø	12.2	0.0	2447	24473	0	٥	0	0
teël ner Pa	STAL	TOTAL			TOTAL	TOTAL LENGTH					TOTAL AREA	JI	TOTAL VOL.		
k <sup>‡</sup> l	STIN	UNITS				(ft.)					(sq. ft.)		(cu. ft.)		
Tab Co	110	21				21744					232044		368402		
oles mp															
s G let															
ir e															

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Table 2 - 8	SUMMARY OF Location:	OF HABITAT	AT TYPES AND	MEASURE	MEASURED PARAMETERS	D C C C C C C C C C C C C C C C C C C C		Burvey Dates: 06/12/96 to 06/25/96	D a a a		10 10 10 10 10 10 10 10 10 10 10 10 10 1					
	Locatio					D. D				06/12/5	6 to 06	/25/96				
luence		n: Quad:	Confluence Location: QUAD: SEBAS/HEAL	LEGAL 1	ESCRIPT.	LEGAL DESCRIPTION: TRNR9W	R9W	LATIT	LATITUDE: 38°29'25"	.29'25"	LONGI	TUDE: 1	LONGITUDE: 122°50'54"	Ą		
HABITAT	UNITS	HABITAT	HABITAT	MEAN	TOTAL	TOTAL	MEAN	MEAN N	MBAN MAXIMUM	MEAN	TOTAL	MEAN	TOTAL	MEAN	MEAN	MEAN
UNITS	FULLY	TYPE	OCCURRENCE 1	LENGTH	LENGIH	LENGIH	WIDIM	DEPTH	DEPTH	ARBA	AREA	AREA VOLUMB	VOLUME	VOLUME RESIDUAL	SHELTER	CANOPY
M	MRASURED										EST.		EST.	POOL VOL RATING	RATING	
#			o\$º	ft.	ft.	o¥°	ft.	ft.	ft.	sg.ft.	sg.ft.	cu,ft.	cu.ft.	cu.ft.		
7	⊣	LGR	φ	61	429	64	80	e. 0	0.7	905	6337	269	1883	0	0	57
CI.	Н	HGR	7	21	44	0	m	4.0	0.7	57	114	22	43	0	0	20
e e	7	GLD	3.0	493	16271	75	12	т.т	5.0	4678	154374	9898	286622	0	7	71
15	4	RUN	14	20	754	п	9	0.4	1.4	335	5028	149	2238	0	0	5.8
12	m	MCP	11	77	924	47	18	2.0	4	1651	19808	3229	38743	2092	53	76
+	1	CCP	П	49	4.9	О	20	1.8	3.3	961	961	1731	1731	1154	20	-1
₹"	7	CRP	т	27	109	н	13	1.5	2.8	358	1433	601	2405	501	19	7.3
Ŋ	7	TST	Ŋ	램	210	Н	15	1.7	4.	658	3292	1182	5912	1106	69	99
15	Э	LSR	14	5.9	882	ঝ	16	1.7	3.7	968	14514	1667	25003	1325	43	69
е	7	PLP	ю	45	136	1	21	e. G	ω.	926	2778	2039	6118	1659	09	57
+	Н	BPL	₽	œ	œ	0	r~	0.8	1.5	51	51	4.1	Ţ.Ţ	10	20	7.5
01	0	DPL	63	6	9	0	24	2.3	4.0	857	1713	1615	3229	1911	53	
10	64	DRY	6	187	1867	σv	12	0.0	0.0	2447	24473	0	o	0	a	40
hs 100	TOTAL				LENGIH						ARBA	TOT	TOTAL VOL.			
NITS	UNITE				(ft.)					~	(sq.ft)		(cu.ft)			
1																

Table 3	SUMMARY (													
		SUMMARY OF POOL TYPES	δī				Surve	ey Dates	Survey Dates: 06/12/96 to 06/25/96	to 06/25,	96/			
Confluen	Confluence Location: QUAD:	n: QUAD: SEB	SEBAS/HEAL LI	LEGAL DESCRIPTION: TENR9W	T. INOILE	SNR9W	LAT	TUDE: 3	LATITUDE: 38°29'25"	LONGITUDE	LONGITUDE: 122°50'54"	54 "		
HABITAT	UNITS	HABITAT	HABITAT	MEAN	TOTAL 1	TOTAL PERCENT	MEAN	MEAN	MEAN	TOTAL	MEAN	TOTAL	MEAN	MEAN
CLIND	FULLY	TYPE	PERCENT	LENGTH	LENGTH	TOTAL	WIDIH	DEPTH	AREA	AREA	VOLUME	VOLUME	RESIDUAL	SHELTER
	MEASURED	0	OCCURRENCE			LENGTH				EST,		EST.	POOL VOL.	RATING
				(ft.)	(ft.)		(ft.)	(ft.)	(sq.ft.)	(Bq.ft.)	(mg.ft.) (cu.ft.)	(cu.ft.)	(cu.ft.) (cu.ft.)	
Wi	-#	MAIN	30	7.5	973	4+	18.2	0.0	1598	20769	3113	40474	2014	50
nd Δα	on.	SCOUR	63	4. V	1336	56	16.1	1.7	815	22017	1461	39438	1187	4.9
sor	t	BACKWATER	<b>C</b> -	24	73	т	18.4	1.8	588	1764	1090	3270	961	4.2
Cre	TOTAL			TOTAL	TOTAL LENGTH				£	TOTAL AREA	Á	TOTAL VOL.		
silinge eel	SIINO				(ft.)					(ag.ft.)		(cu.ft.)		
្ទ k Tables Graphs Ma nt Completed 1996 ge 6 of 21	<b>ਝਾਂ</b> ਜ				23 38 5					44 5 5 0		83182		

rable 4 -	- SUMMARY O	SUMMARY OF MAXIMUM POOL		DEPTHS BY POOL HABITAT	BITAT TYPES		irvey Date	Survey Dates: 06/12/96 to 06/25/96	to 06/25/	96/		
confluenc	se Location	Confluence Location: QUAD: SEBAS/HEAL		LEGAL DESCRIPTION: TENROW	PTION: TSN		LATITUDE: 38°29'25"	38°29'25"	LONGITUDE	LONGITUDE: 122°50'54"		8
UNITS	HABITAT	HABITAT	<1 FOOT	<1 FOOT	1-<2 FT,	1-<2 FOOT 2-<3	2-<3 FT.	2-<3 FOOT	3-<4 FT.	3-<4 FOOT	>=4 FEET	>=4 FEET
MAX DPTH	TYPE	PERCENT	MAXIMUE	PERCENT	MAXIMUM	PERCENT	MAXIMUM	PERCENT	MAXIMUM	PERCENT	MAXIMUM	PERCENT
MEASURED		OCCURRENCE	DEPTH C	DEPTH OCCURRENCE	DEPTH (	DEPTH OCCURRENCE	DEPTH	DRPIH OCCURRENCE	DEPTH	DRPTH OCCURRENCE	DEPTH (	DEPTH OCCURRENCE
12	MCP	2.88	0	0	0	a	7	13 22	m	C4 FU	2	17
√i	CCP	61	0	0	0	0	0	0	-	100	0	0
nd	CRP	σ	0	0	63	50	23	50	0	0	0	0
solsc	TST	12	a	0	24	40	C4	0 4	0	G	+	20
or (	LSR	35	0	0	63	13	σ	09	-7*	2.7	0	0
or Ore	PLP	1-	0	0	0	0	+	en	2	67	a	0
ee	BPL	63	0	0	∺	100	0	a	a	0	0	0
ام k	DPL	Ŋ	0	a	a	C	-	50	C	c	-	C R

Windsor Creek Tables Graphs Map
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	Summary o	of Shelter by Habitat Type	by Habita	t Type			Surve	Survey Dates: 06/12/96 to 06/25/96	/96 to 06	96/32/	
Table 5 - 5			And the second s								
Confluence Location: QUAD:	Location	1: QUAD: S	SEBAS/HEAL LEGAL DESCRIPTION: TENROW	LEGAL DESC	RIPTION	TBNR9W	LATIT	LATITUDE: 38°29'25"		LONGITUDE: 122°50'54"	154"
CINITS	UNITS	HABITAT	* TOTAL	% TOTAL %	TOTAL	% TOTAL	& TOTAL	% TOTAL	% TOTAL	% TOTAL	* TOTAL
MEASURED	SHELTER	TYPE	UNDERCUT	SWD	LWD	ROOT WASS V	ROOT TERR.	AQUATIC VEGETATION	WHITE	BOULDERS	BEDROCK
	7	LGR	0	0	0	0	0	0	0	G	0
′′	61	HGR	٥	0	0	0	0	0	0	0	0
33 NiV	M Ci	GID	10	10	10	о О	31	0	0	0	0
nd:	15	RUN	0	0	0	0	0	0	0	o	0
15 08	12	MCP	2	24	13	43	15	н	0	0	0
r C	1	CCP	0	0	0	06	10	0	0	0	0
	+11	CR P	11	0	a	11	23	0	0	54	0
eel	ъ	TST	0	19	17	23	38	61	٥	a	0
τ T	15	LSR	a)	+1*	ы	52	28	М	0	0	0
ā ā	m	PLP	44	21	co	28	29	0	0	ማ	0
ole	н	BPL	0 †	0.6	0	0	0	0	0	a	0
S (	CI	DPL	0	33	17	23	27	0	0	0	0
ີ Gra	10	DRY	0	0	0	0	0	0	0	0	0
phs Map 1996	109		φ	16	11	Q 1	C1 C1	1	0	н	O
POOLS 43	4.		44	19	11	4.	22	п	0	64	a

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WINDSOR	CREEK				Drainage	Drainage: Mark West Creek	eek		
Table 6 -	- SUMMARY OF	DOMINANT S	SUMMARY OF DOMINANT SUBSTRATES BY HABITAT TYPE	HABITAT TYPE	Survey I	Survey Dates: 06/12/96 to 06/25/96	to 06/25/96		
Confluenc	Confluence Location: QUAD: SEBAS/HEAL	QUAD: SEBA	1	LEGAL DESCRIPTION: TENROW		LATITUDE: 38°29'25"	LONGITUDE: 122°50'54"	54.	
TOTAL	UNITS	HABITAT	* TOTAL	% TOTAL	% TOTAL	* TOTAL	% TOTAL	% TOTAL	% TOTAL
HABITAT UNITS	SUBSTRATE	TYPE	SILT/CLAY DOMINANT	SAND	GRAVEL	SM COBBLE DOMINANT	LG COBBLE DOMINANT	BOULDER	BEDROCK
	1	LGR	0	a	100	0	0	0	0
νγ̈́i	1	HGR	0	0	0	0	100	0	0
nd As	м	GID	a	33	69	0	a	0	0
si0  SS6	н	RUN	0	100	0	0	a	0	0
or≅( ess	47	MCP	a	75	25	0	a	0	0
Cre sm I	Н	CCP	0	100	0	o	a	0	0
eë er Pa	C4	CRP	a	100	0	0	a	0	0
k T nt ( ge	64	TST	0	50	50	0	a	0	0
Гäl Co 9	т	LSR	0	4.9	33	O	0	0	0
bÎ∈ m of	М	PLP	0	67	33	0	a	0	0
es ple f 2	н	BPL	0	0	100	0	a	0	0
Ĝr ete 1	0	DPL	a	0	O	0	O	0	0
aph d 1	(4	DRY	0	0	100	0	0	0	0
ns N 996									
/lap									
)									

#### WINDSOR CREEK

#### APPENDIX A. Summary of Mean Percent Vegetative Cover for Entire Stream

Mean	Mean	Mean	Mean	Mean
Percent	Percent	Percent	Right bank	Left Bank
Canopy	Evergreen	Deciduous	% Cover	% Cover
64.40	16.98	83.02	91.14	

#### APPENDIX B.

Mean Percentage of Dominant Substrate

Dominant Class of Substrate	Number Units Right Bank	Number Units Left Bank	Percent Total Units
Bedrock	1	0	2.27
Boulder	1	1	4.55
Cobble/Gravel	0	0	0
Silt/clay	20	21	93.18

#### Mean Percentage of Dominant Vegetation

Dominant	Number	Number	Percent
Class of	Units	Units	Total
Vegetation	Right Bank	Left Bank	Units
Grass	0	0	0
Brush	3	3	13.64
Deciduous Trees	18	18	81.82
Evergreen Trees	1	1	4.55
No Vegetation	0	0	0

#### APPENDIX C. FISH HABITAT INVENTORY DATA SUMMARY

STREAM NAME: WINDSOR CREEK

SAMPLE DATES: 06/12/96 to 06/25/96

SURVEY LENGTH:

MAIN CHANNEL: 21672 ft.

LOCATION OF STREAM MOUTH:

USGS Quad Map: SEBAS/HEAL Latitude: 38°29'25"
Legal Description: T8NR9W Longitude: 122°50'54"

SIDE CHANNEL: 72 ft.

#### SUMMARY OF FISH HABITAT ELEMENTS BY STREAM REACH

STREAM REACH 1 (Units 1-107)

Channel Type: B4

Pool Mean Depth: 1.8 ft.

Base Flow: 3.3 cfs

Dom. Bank Substrate: Silt/Clay/Sand Dry Channel: 367 ft.

Mean Canopy Density: 64% Main Channel Length: 20172 ft. Evergreen Component: 17% Side Channel Length: 72 ft. Deciduous Component: 83% Riffle/Flatwater Mean Width: 9.6 ft. Pools by Stream Length: 12% Pools >=2 ft. Deep: 84% Pools >= 3 ft. Deep: 33%

Water: 62-66°F Air: 72-86°F Mean Pool Shelter Rtn: 49
Dom. Bank Veg.: Deciduous Trees
Bank Vegetative Cover: 93% Occurrence of LOD: 23%

Embeddness Value: 1. 0% 2. 0% 3. 13% 4. 88% 5. 0%

STREAM REACH 2 (Units 108-108)

Channel Type: F3

Main Channel Length: 1500 ft. Evergreen Component: 0% Side Channel Length: 0 ft. Deciduous Component: 0%

Riffle/Flatwater Mean Width: 0.0 ft. Pools by Stream Length: 0%

Pool Mean Depth: 0.0 ft.

Base Flow: 3.3 cfs
Water: 64-64°F Air: 80-80°F
Dom. Bank Veg.: Deciduous Trees
Bank Vegetative Cover: 0%
Dom. Bank Substrate: Silt/Clay/Sand
Embeddness Value: 1

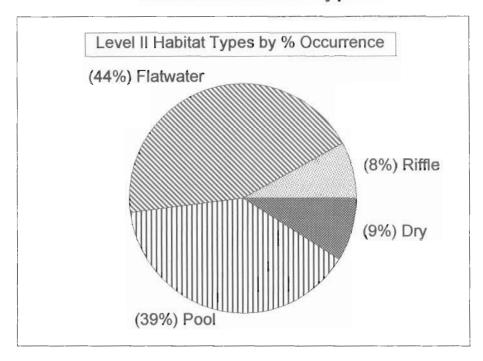
Pools >=2 lt. Deep: \*\*\*\*\*\*\*\*\*\*
Mean Pool Shelter Rtn: 0
Dom. Shelter: Undercut Banks
Occurrence of LOD: 0%
Dry Channel: 1500 ft.

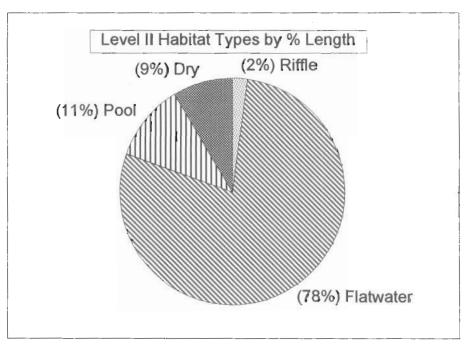
Embeddness Value: 1. 2. 3. 4. 5.

Mean Canopy Density: 0%

Pools >=2 ft. Deep: \*\*\*\*\*\*\*\*

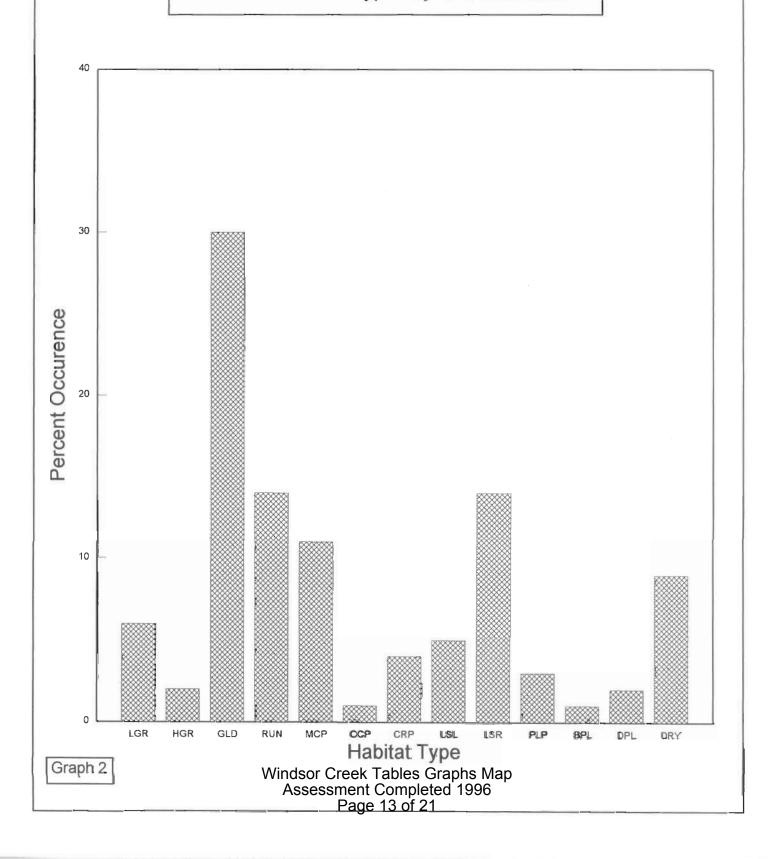
## Level II Habitat Types



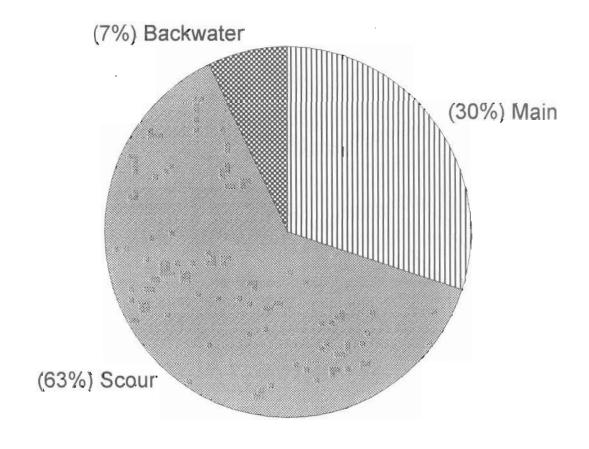


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Level IV Habitat Types by % Occurrence

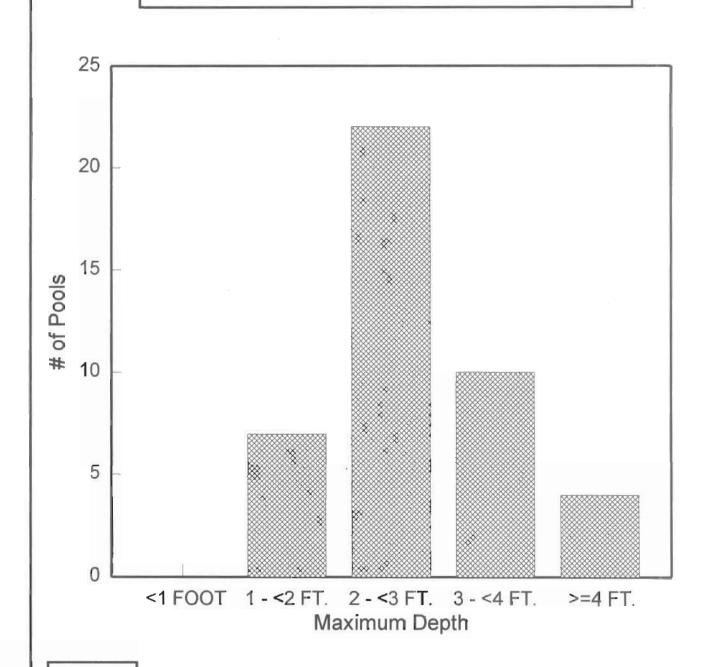


Pool Habitat Types by % Occurrence



Graph 3

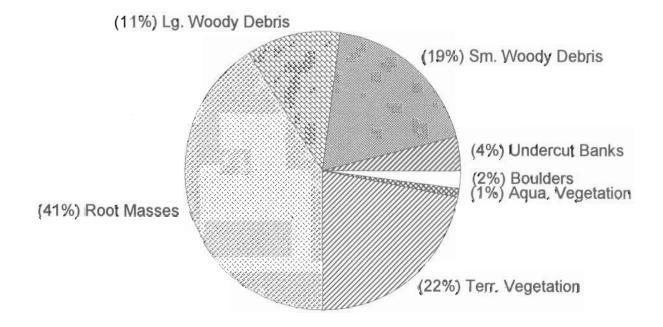
Maximum Depth in Pools



Graph 4

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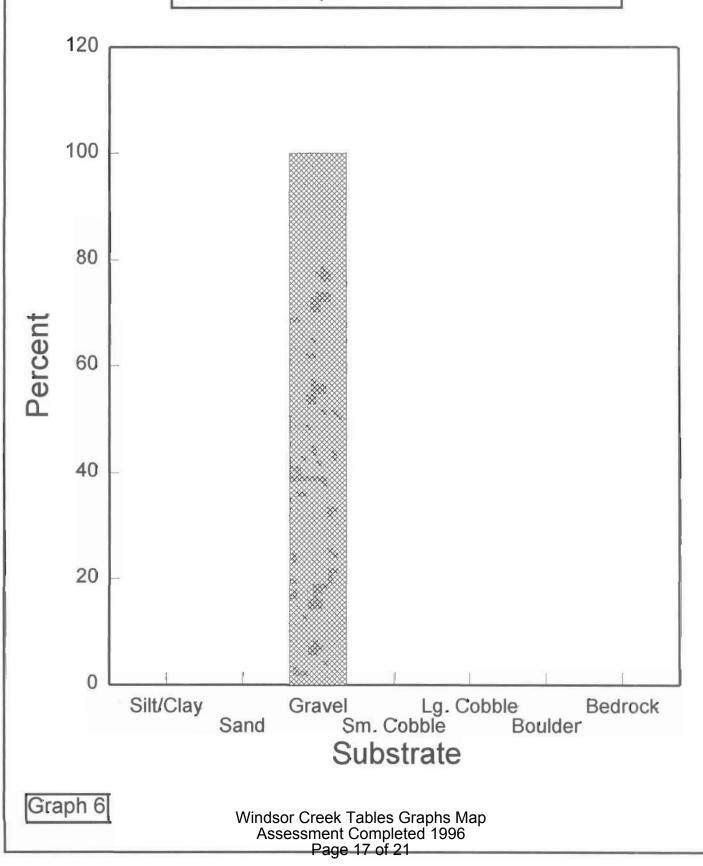
Pool Shelter Types by % Area





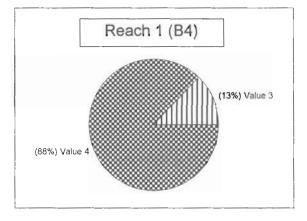


Substrate Composition in Low Gradient Riffles



## WINDSOR CREEK

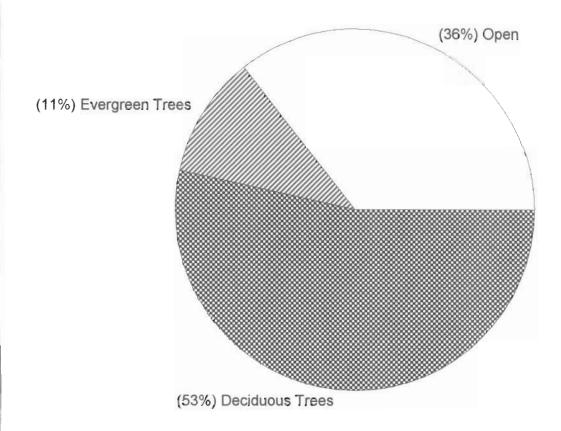
### Percent Cobble Embeddedness by Reach



Value 1 = <25% Value 2 = 25-50% Value 3 = 51-75% Value 4 = >76%

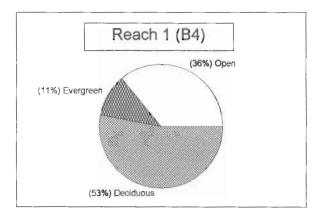
Graph 7

## Mean Percent Canopy

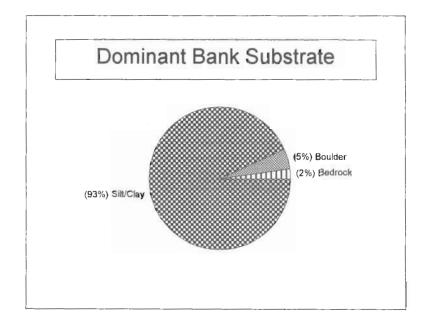


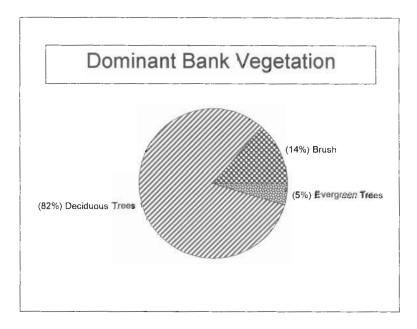


# WINDSOR CREEK Percent Canopy By Reach



## Percent Bank Composition





Graph 10